



SMART BRINE VIEWER

An innovative solution that optimises the freezing process in brine or the conservation in RSW.



The SBV system makes it possible to monitor the seawater refrigeration and brine freezing processes from fishing to landing. It also makes it possible to identify fish batches stored in optimal conditions.

The system benefits are:

- Save fuel oil and salt by precisely knowing the salt concentration of the brines
- Improve the fish quality
- Control the freezing in brine at -18°C
- Reduce the risk of technical failure in refrigeration systems and the downgrading of fish batches
- Seize new market opportunities.

Thanks to its network of probes installed in each of the tanks, the SBV system collects data from the conservation process, which will be processed by an algorithm specifically developed for the SBV and protected by a patent.

The data supervision is carried out through the IHM SBV software program, which offers:

- An overview of all the tanks that shows the condition of each individual tank: empty, in sea water, in brine; the temperature, the mass concentration of salt and the liquid freezing point.



The system includes:

- ✓ Temperature probe
- ✓ Conductivity probe
- ✓ Inox Carter

- ✓ Industrial cabinet
- ✓ Data center
- ✓ Touch screen
- ✓ Supervising software program (IHM)



Bureau Veritas evaluates the proper functioning of the "Smart Brine Viewer" system developed by Olen, which measures temperature and salinity data during the conservation process of fishery products. The significance and the limits of this evaluation are detailed in the evaluation report.



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